CPC COOPERATIVE PATENT CLASSIFICATION

F03G SPRING, WEIGHT, INERTIA OR LIKE MOTORS MECHANICAL-POWER PRODUCING DEVICES OR MECHANISMS, NOT OTHERWISE PROVIDED FOR OR USING ENERGY SOURCES NOT OTHERWISE PROVIDED FOR (arrangements in connection with power supply in vehicles from force of nature B60K 16/00; electric propulsion with power supply in vehicles from force of nature B60L 8/00)

NOTE

In this subclass, the following term is used with the meaning indicated:

- "motors" means mechanisms for producing mechanical power from potential energy of solid bodies.

WARNING

The following IPC groups are not used in the CPC system. Subject matter covered by these groups is classified in the following CPC groups:

F03G 4/00 covered by F03G 7/04
F03G 4/02 covered by F03G 7/04
F03G 4/04 covered by F03G 7/04
F03G 4/06 covered by F03G 7/04

Guide heading:

F03G 1/00 **Spring-motor** (spring-driven toys A63H ; springs in general F16F ; precision time mechanisms, e.g. for clocks or watches, G04B)

F03G 1/02 . characterised by shape or material of spring, e.g. helical, spiral, coil
F03G 1/04 . . using rubber springs

F03G 1/06 . Other parts or details
F03G 1/08 . . for winding
F03G 1/10 . . for producing output movement other than rotary, e.g. vibratory

F03G 3/00 **Other motors, e.g. gravity or inertia motors** {driven by falling liquid F03B }

F03G 3/02 . using wheels with circumferentially-arranged compartments co-operating with solid falling bodies (F03G 3/04 takes precedence)

F03G 3/04 . driven by sand or like fluent solid material

F03G 3/06 . using pendulums

F03G 3/08 . using flywheels

F03G 5/00 **Devices for producing mechanical power from muscle energy** (driving cycles B62M)

F03G 5/02 . of endless-walk type, e.g. treadmills
F03G 5/025 . . {Treadmills }
F03G 5/04 . . Horsemills or the like
F03G 5/042 . . . {Traction devices, shock absorbers or whipping devices for horsemills }
F03G 5/045 . . . {Security devices for horsemills }
F03G 5/047 . . . {Transmissions or couplings for horsemills }

F03G 5/06 . other than of endless-walk type
F03G 5/08 . . for combined actuation by different limbs, e.g. hand and leg

F03G 6/00 **Devices for producing mechanical power from solar energy** (solar boilers F24)

F03G 6/001 . {having photovoltaic cells }

F03G 6/003 . {having a Rankine cycle (F03G 6/065 takes precedence) }
F03G 6/005 . . {using an intermediate fluid for heat transfer }

F03G 6/02 . using a single state working fluid
F03G 6/04 . . gaseous { (F03G 6/064, F03G 6/068 take precedence) }
F03G 6/045 . . . {by producing an updraft of heated gas, e.g. air driving an engine }

F03G 6/06 . with means for concentrating solar rays (means per se F24J 2/06)
F03G 6/064 . . {having a gas turbine cycle, i.e. compressor and gas turbine combination }
F03G 6/065 . . {having a Rankine cycle }
F03G 6/067 . . . {using an intermediate fluid for heat transfer }
F03G 6/068 . . {having a Stirling cycle }

F03G 7/00 **Mechanical-power-producing mechanisms, not otherwise provided for or using energy sources not otherwise provided for** { (micro-structural devices or systems, e.g. micro-mechanical devices B81B) }

F03G 7/002 . {using the energy of vibration of a fluid column (for refrigeration machines using waves F25B 9/14) }

F03G 7/005 . {Electro-chemical actuators; Actuators having a material for absorbing or desorbing gas, e.g. a metalhydride; Actuators using the difference in osmotic pressure between fluids; Actuators with elements stretchable when contacted with liquid rich in ions, with UV light, with a salt solution }

F03G 7/04 . using pressure differences or thermal differences occurring in nature (F03G 7/06 takes precedence)
F03G 7/05 . . Ocean thermal energy conversion, i.e. OTEC

F03G 7/06 . using expansion or contraction of bodies due to heating, cooling, moistening, drying or the like (using thermal expansion of non-vaporising liquids F01K)

F03G 7/065 . . {using a shape memory element }

F03G 7/08 . recovering energy derived from swinging, rolling, pitching or like movements, e.g. from the vibrations of a machine

F03G 7/10 . Alleged perpetua mobilia (of buoyancy principle F03B 17/04)

Guide heading:

F03G 2006/00 **Devices for producing mechanical power from solar energy** (solar boilers F24)

F03G 2006/006 . Soles pond

F03G 2006/008 . with a tower

F03G 2006/06 . with means for concentrating solar rays (means per se F24J 2/06)

F03G 2006/061 . . Parabolic linear concentrator

F03G 2006/062 . . Parabolic point concentrator

F03G 2007/00 **Mechanical-power-producing mechanisms, not otherwise provided for or using energy sources not otherwise provided for** { (micro-structural devices or systems, e.g. micro-mechanical devices B81B) }

F03G 2007/007 . using heat pumps

Guide heading:

F03G 2730/00 **Motors driven by springs, weights or manual power**

F03G 2730/01 . Spring motors with spiral springs

F03G 2730/02 . Spring motors with helical springs

F03G 2730/03 . Spring motors with torsion springs

F03G 2730/05 . Motors driven by hands or feet

F03G 2730/06 . Various motors in general

F03G 2730/07 . Special parts of devices or motors according to the preceeding groups